*												
Work Ord January-02-13		202	*95202*								Page 1	
Item ID: Revision ID: Item Name:	D3188-6 Spacepod Boo	dv	·	*N900040100*					-	Start Stop	*N:	S1*
Start Date: Required Date Reference:	1/02/13	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item I Customer:	D:					I W.	
Approvals:	Process Pla	an:/_	Date:/ <i>3-0/-/</i>	Tooling: SPC (Y/N):		ite:	- 			Start Stop	*N *N	R1* R2*
Sequence ID/ Work Center I		Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	t Reje Qty		Reject Number	Insp. Stamp
Draw Nbr D3188	Rev Rev	vision Nbr / F		QAS O								
100		QC6- Inspect dimension	s to drawing	0.00 B & O	9			j				
QC		Memo		0.00								

110 *110*

Quality Control

Identify as per dwg & Stock Location: 951/2

Check for void spot and pins.

Memo

80 13-08-29

Packaging

Packaging

120

QC21- Final Inspection - Work Order Release

0.00

0.00

120

Quality Control

Memo

0.00

NCR	Vec	/	Nο	

WORK ORDER NON-CONFORMANCE / UPDATE

DQA:	Date:	

										QA Closed:	Date	<u>:</u>
Work Orde	r.				DISPOSITION				AGAINST DE	PARTMENT,	PROCESS	
Part No.				Rework Scrap		Skid-tube Crosstube Machining Small Fab			• - -		Engineering Quality	
NCR N	0				Use-as-is Work Order Update] T		Large Fab	Finishing Composite	Rec/Stor	e/Packaging Supplier	Other
Root	T			Descri	ption of work order update	Init	ial	Act	tion	Sign &		<u></u>
Cause	Date	Step	Qty	(or Non-conformance	Chief	Eng	Desci	ription	Date	Verification	QC Inspector
Doc/Data									-			
Equip/Tooling							i			1		
Operator											<u> </u>	
Material												
Setup												
Other							1					
Process												
Supplier	7											
Training	7											
Unapproved		İ										
		•			F <i>i</i>	AULT C	ATEC	GORY		•		•
Landin	g Gear				General							
	Bending				Bend	Gr	ain			Ovalized	Γ	Pressure/Forced
	Centre No	ot Concer	itric to (o/s	BOM/Route	На	ırdwai	·e		Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged	Ins	pection	on Incomplete		Part Incorred	:t [Weld
Γ	Crushed/	Crimped.			Burrs			ons Incomplete/I	Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled
	Cuffs				Contamination	Пм	ainte	nance		Part Moved	_	_
	Heat Trea	it			Countersink	[∏мі	islabel	ed		Positioned V	√rong	
	Inspection	n Strip in	Tube		Cut Too Short	Мі	isread			Power Loss/:	Surge	Other
	Ripples in	Bend			Drill Holes	Of	fset		<u> </u>			
	Torque W	aves in E	xtrusior	ı [Drawing	Ou	ut of C	alibration			· · · · · · · · · · · · · · · · · · ·	
	Turning S	equence			Finish	On	Out of Sequence					
	Wave/Tw	ist in Tub	е	. [Folio	Ou	ıtside	Dimensions				

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Order ID:

95202

Parent Item:

D3188-6

Parent Item Name:

Spacepod Body

Start Date: 1/02/13

Required Date: 1/25/13

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rcv:A 09-02-05 New Issue DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3188-2M		Manufactured	No	- · — - · · · · · · · · · · · · · · · ·		100	Each	0.0000		1			1
SPACEPOD BODY RH	_				Ø	0561)		<u> </u>	-	-		_



42011

DQA:	Date:

WORK ORDER NON-CONFORMANCE / UPDATE

NCR: Yes / No QA Closed: Date: DISPOSITION AGAINST DEPARTMENT/PROCESS Work Order: Engineering Crosstube Water Jet Skid-tube Rework Machining Small Fab Prod. Eng. Coor. Quality Part No. Scrap Other Use-as-is Thermoforming Finishing Rec/Store/Packaging Composite Supplier Work Order Update Large Fab NCR No. Description of work order update Initial Action Sign & Root Step or Non-conformance Chief Eng Description Date Verification QC Inspector Date Qty Cause Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved **FAULT CATEGORY Landing Gear** General Pressure/Forced Bending Bend Grain Ovalized BOM/Route Temperature/Cure Over/Under tolerance Centre Not Concentric to O/S Hardware Broken/Damaged Weld Part Incorrect Cracks Inspection Incomplete Instructions Incomplete/Unclear Part Lost/Missing Wrong Stock Pulled Crushed/Crimped. Burrs Cuffs Contamination Maintenance Part Moved Mislabeled Positioned Wrong Heat Treat Countersink Other Misread Power Loss/Surge Inspection Strip in Tube Cut Too Short Drill Holes Offset Ripples in Bend Out of Calibration Torque Waves in Extrusion Drawing

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

GENERAL NOTES:

D

MATERIALS:

RESIN: EPOCAST 50-A/9816 OR DERAKANE 470-36/411/510A40

FIBER: 9.7 oz 7781 WEAVE "S" GLASS (9 oz SATIN)

12 oz UNIDIRECTIONAL FIBERGLASS (*12 oz UNIDIRECTIONAL*)

18 oz ROVING "E" GLASS (18 oz CLOTH) OWENS CORNING MILLED FIBERS, "E" GLASS

3M K20 GLASS BUBBLES

FOAM: A500 CORE CELL

OR DIVINYCELL OR AIREX OR KLEGECELL

FILL VOIDS IN FOAM WITH PASTE MADE FROM MILLED FIBERS & RESIN

1. MOLD SHEDULE:

LAYUP TRIM AND DRILL D3188-1M/-1/-5 DT8003 **DT8501** D3188-2M/-2/-6 DT8004 DT8502 D3188-3M/-3/-7 DT8500 DT8501

- FINISH: INSIDE/OUTSIDE WITH GREY DUPONT HIGHBUILD PRIMER 1144-S. APPLY ANTI-SKID PAINT TO TOP SURFACE OF PODS PER QSI 005 4.4
- TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- UNITS: INCHES UNLESS OTHERWISE NOTED
- BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- IDENTIFICATION: NONE 6)
- WEIGHT: D3188-1 = N/A

D3188-2 = N/A

D3188-3 = N/A

D3188-5 = N/A

D3188-6 = N/A

D3188-7 = N/A

- REFERENCE DIMENSIONS MATCH AIRCRAFT CONTOUR AND DOOR OPENING
- LAMINATE PER DART QSI 006. LAMINATION SCHEDULE PER THIS DRAWING

M

UNCO

Stage :

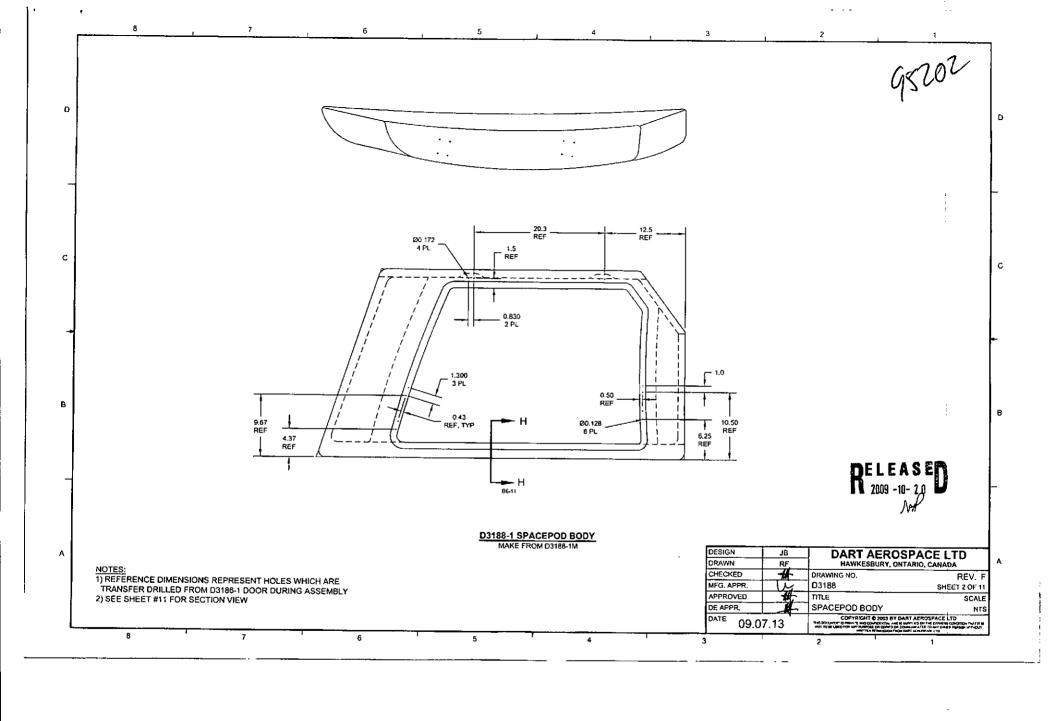
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13-01-07

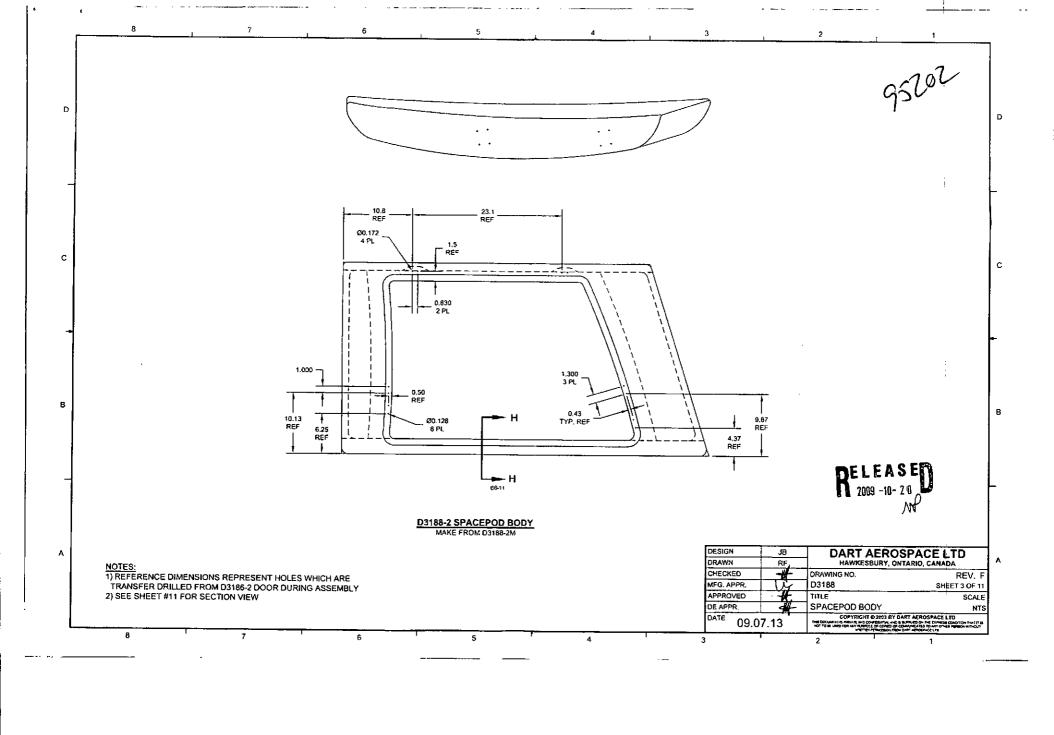
F	REORGANIZED VIEWS AND REFORMATTED DRAWING TO CURRENTS STANDARDS; ADD CHAMFER IN SECTIONS A-A (ZN C7-10) & H-H (ZN B7-11)	RF	09 07.13
E	ADD HYSOL/ FIBER OPTION ON SHEET 11	СВ	07,04,02
0	UPDATE DIMENSIONS	LE.	07.02,22
Ç	REMOVED D0600-XXX LABELS	LΕ	06.12.13
8	UPDATED DWG TO MATCH PRODUCT ADDED D3188-1M/-2M/-3YJ-5I-6I-7	СВ	06.10.06
A	NEW ISSUE	CP	03.04.03
REV.	DESCRIPTION	BY	DATE

DESIGN	JB	DART AEROS	DACELTO	
DRAWN	RF,	HAWKESBURY, ONTA		
CHECKED	-#-	DRAWING NO.	REV. F	
MFG. APPR.	11/	D3188	SHEET 1 OF 11	
APPROVED	#	TITLE	SCALE	
DE APPR.	4	SPACEPOD BODY	NTS	
DATE 09.0	7.13	COPYRIGHT © 2003 BY DART AEROSPACE CTD THIS DOCUMENT BY MULTI AND COMPOUNTING TO SUPPLIED ON THE COMPSS CODE FOR THAT IT BE HIST TO BE USED FOR ANY PARMISS OF DOCUMENT AND TO DAY OF USER PROSED WITHOUT		

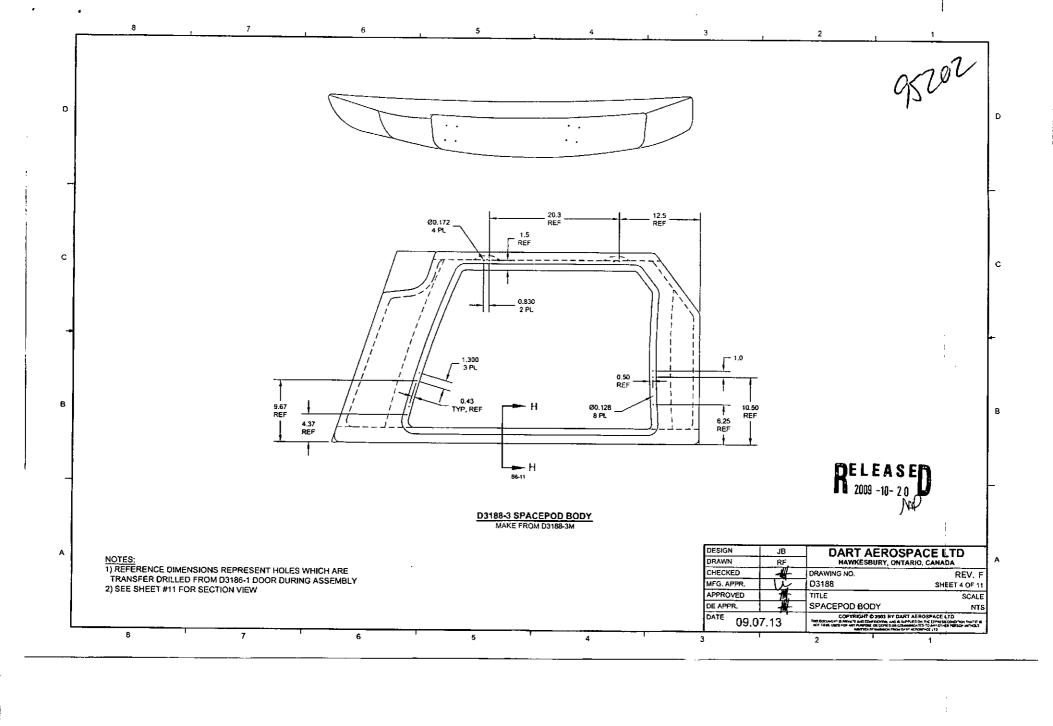
	 	
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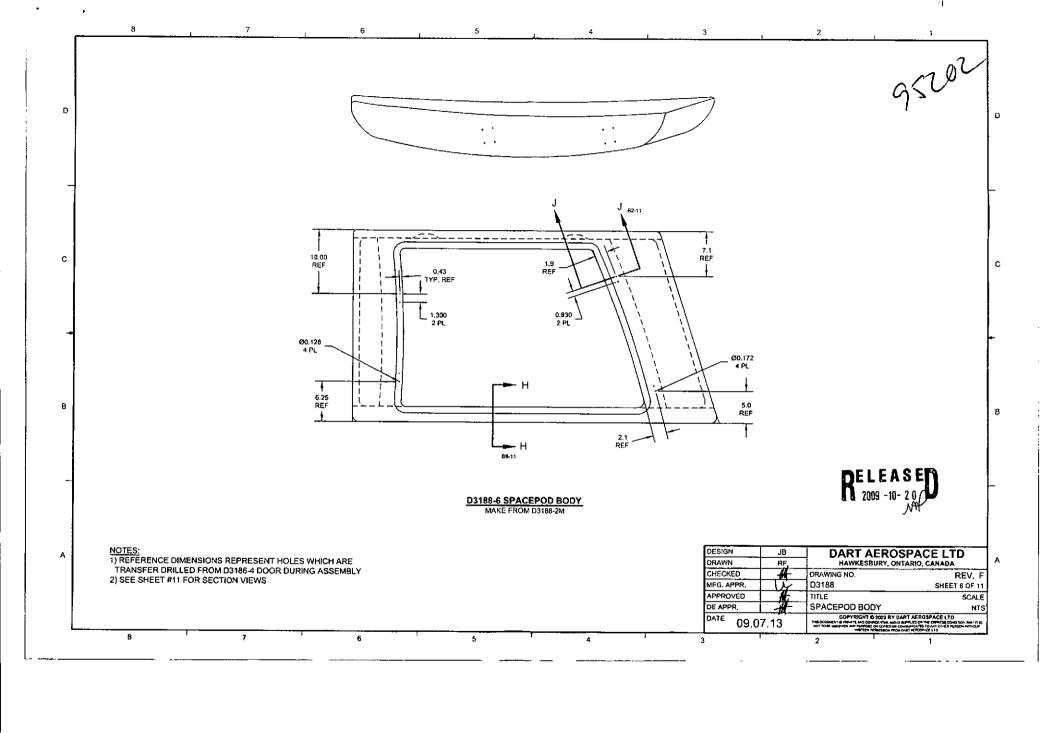
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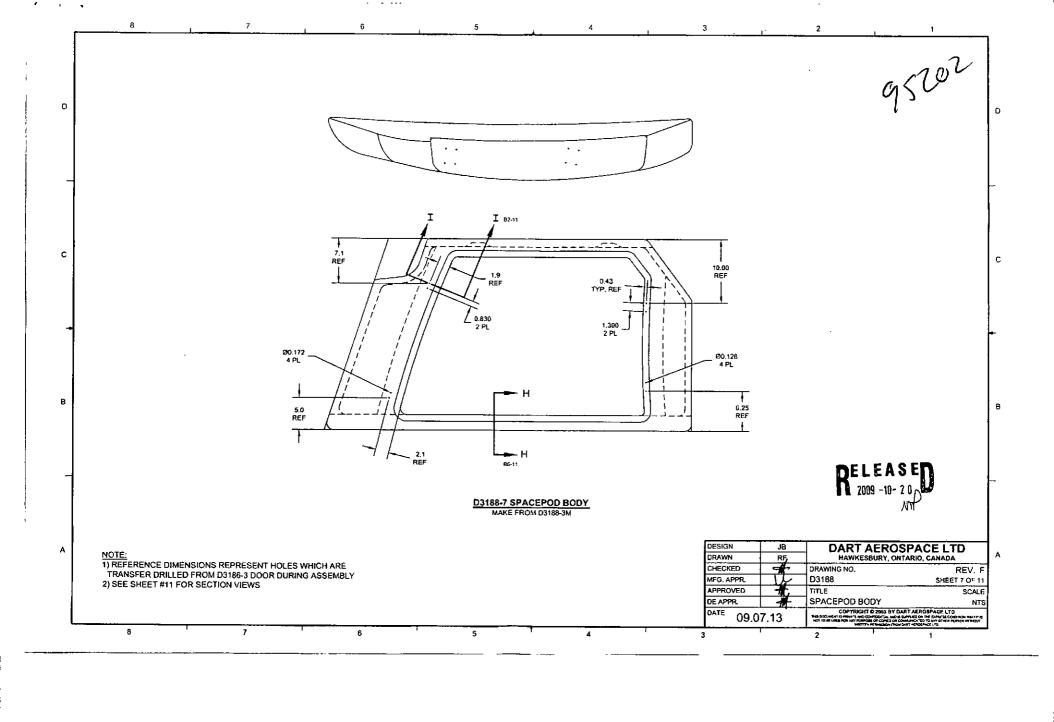
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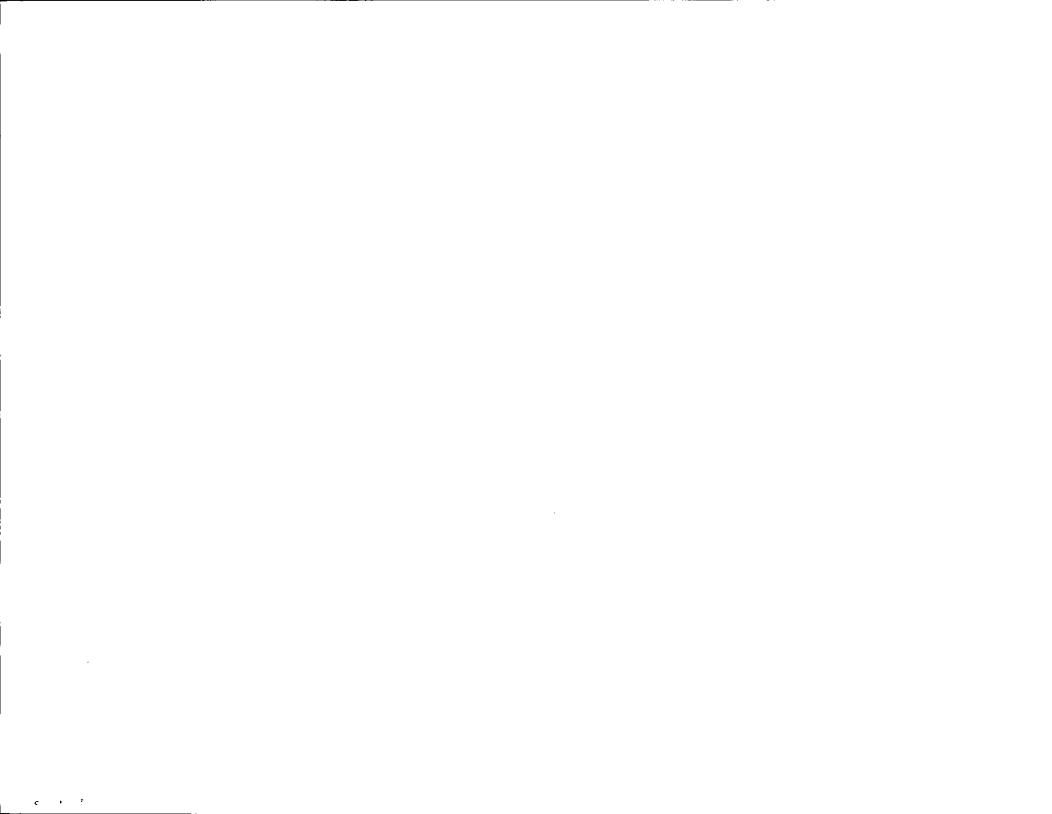
D I 82-11 С 0.43 TYP, REF _____ 0.830 2 PL 1.300 __ 2 PL Ø0.172 Ø0.128 4 PL 5.0 REF 6.25 REF D3188-5 SPACEPOD BODY MAKE FROM D3188-1M DESIGN DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA 1) REFERENCE DIMENSIONS REPRESENT HOLES WHICH ARE TRANSFER DRILLED FROM D3186-3 DOOR DURING ASSEMBLY 2) SEE SHEET #11 FOR SECTION VIEWS DRAWN CHECKED DRAWING NO. REV. F MFG. APPR, D3188 SHEET 5 OF 11 APPROVED TITLE SCALE DE APPR, SPACEPOD BODY DATE 09.07.13

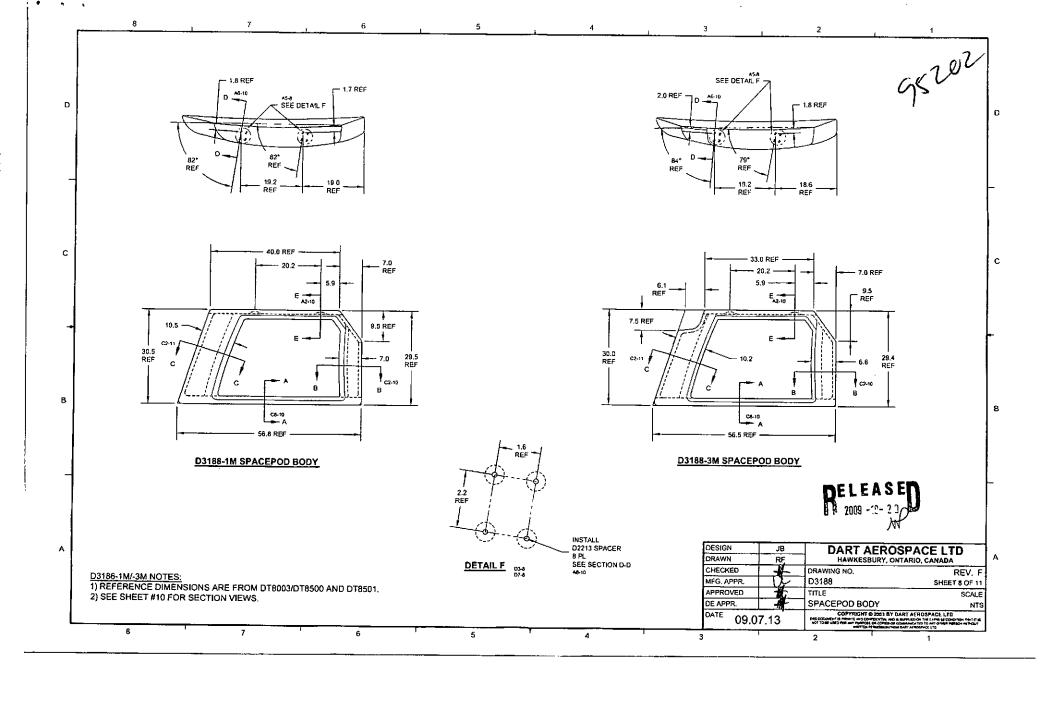
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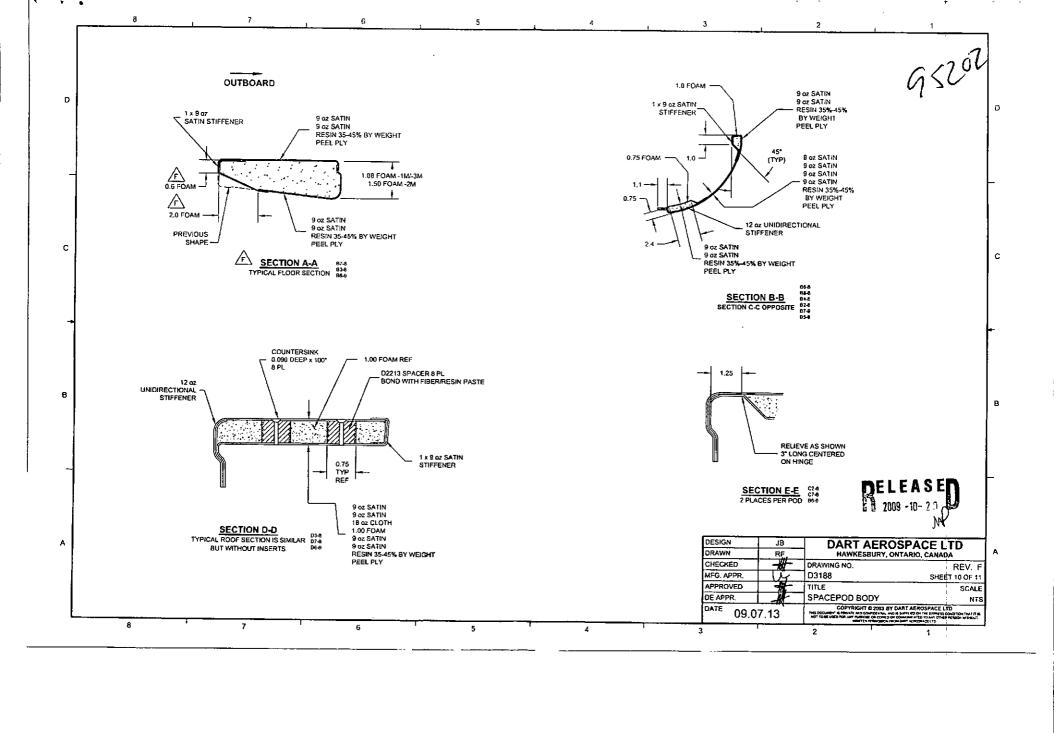


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D B2-9 SEE DETAIL G -__ 2.0 REF 2.0 REF -¢ INSTALL D2213 SPACER - 47,5 REF SEE SECTION D-D DETAIL G DOG 29.3 REF В Ç2-11 C DELEASE 12009 -10- 20 - 56.8 REF -D3188-2M SPACEPOD BODY DESIGN DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWN RF CHECKED DRAWING NO. REV. F SHEET 9 OF 11 D3186-2M NOTES:

1) REFERENCE DIMENSIONS ARE FROM DT8004 AND DT8502. MFG, APPR, D3188 APPROVED TITLE 2) SEE SHEET #10 FOR SECTION VIEWS. DE APPR. SPACEPOD BODY COPYRIGHT © 2003 BY DART AFROSPACE LTD
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